ABSTRACT OF THE DISCLOSURE

polynucleotide encoding a polypeptide lowers the glucose side chain amount in serotype-specific polysaccharide antigen of Streptococcus mutans; novel Streptococcus mutans strain having the above polynucleotide; an antibody specific to Streptococcus mutans strain; and a method of detecting the above-described Streptococcus mutans strain occurring in a subject sample. According to this method, it is examine the presence or absence possible to of Streptococcus mutans of an untypable serotype in a subject sample to thereby specify a subject having a high risk of the onset of infective endocarditis.